

# SHEARGLIDE® 914

## Metal Working Fluid

Rev. 1/2024

### Description

**Shearglide® 914** is a Metal Working Fluid that is designed to provide excellent performance without the use of Chlorine and Phosphorus. It employs a special EP additive combined with active and inactive sulfurized lubricity agents to produce a fluid targeted at difficult gun-drilling and other operations on ferrous materials.

**Shearglide® 914** contains a unique EP agent that functions by physically plating on the work surface during metal forming. It creates a film of low shear strength and high melting point. This chemical inert reaction with metal surfaces permits higher turning speeds and feeds.

By contrast, chlorinated waxes function by reacting with metal surfaces to produce films of chlorides. These chlorides contribute to fluid degradation and interfere with rust inhibitors. In addition, chlorine adds to ecological problems and disposal costs.



### Features/Benefits

- **Contains Unique EP Agent**  
Creates a film of low shear strength and high melting point
- **Improves Part Quality**  
Excellent rust protection  
Improved surface finish
- **Environmentally Responsible**  
Chlorine free  
Phosphorus free  
Lends well to recycling
- **Improved Operational Efficiency**  
Extended tool life  
Minimizes Built-Up Edge (BUE)  
Higher turning speeds and feeds  
Readily filterable

| Properties                  |       |
|-----------------------------|-------|
| Shearglide® 914             |       |
| Product Code                | 225   |
| Viscosity @ 40°C, cSt       | 15    |
| Active Sulfur, Total % wt   | 1.8   |
| Sulfur, Total % wt          | 2.2   |
| Copper corrosion, ASTM D130 | 4a    |
| Falex jaw load, lbs         | 3,000 |
| Rust test, ASTM D665        | Pass  |
| Dual Purpose                | No    |